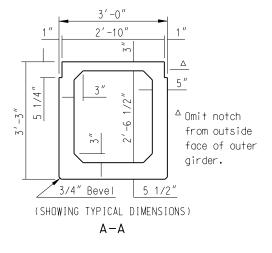
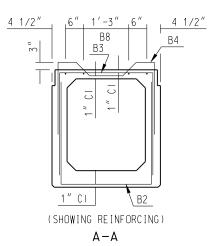
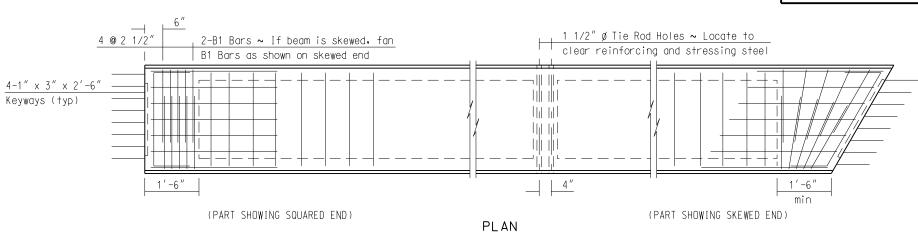
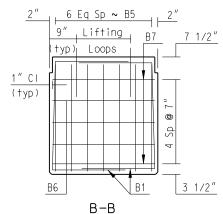
39" x 36" SPREAD SUSPENDED PRESTRESSED BOX GIRDER (COMPOSITE SLAB)

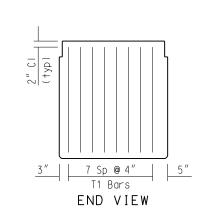
D-604-4

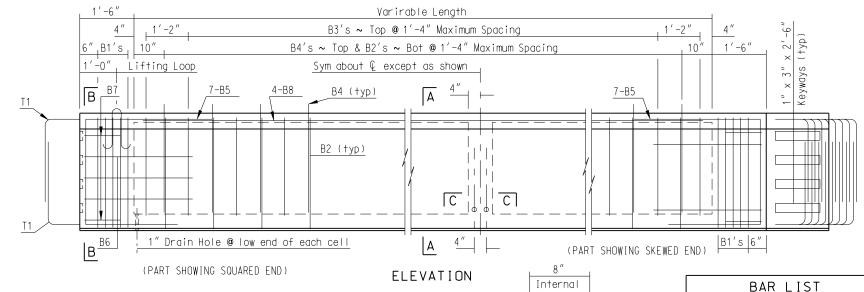


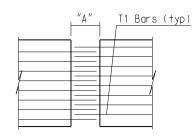












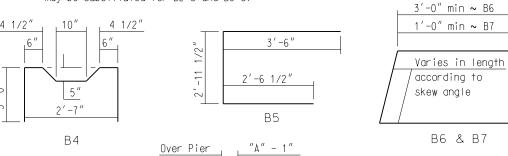
GIRDER END PLAN AT PIER

NOTES:

At least 14 days prior to the forming and casting of any girders, the CFntractor shall submit shop drawings to the Construction Office of the North Dakota Department of Transportation for approval. The final prestress force shall be calculated using calculated losses as specified in the AASHTO Standard Specifications for Highway Bridges. Strand pattern arrangements shall assure compressive and tensile stresses are within the limits as specified in the AASHTO Standard Specifications for Highway Bridges. Minor changes to the shape of the girder and to the reinforcing steel may be made to accomodate the forms of various contractors and construction methods and shall be shown on the shop drawings.

The girders shall be cast in all-steel forms. The reinforcing steel shall be grade 60.

C.G. = 17.65'' from bottom: Area = 618.5 sq in: Moment of Inertia = 113,799 in 4



2'-0"

(AT PIERS)

BENT BAR DETAILS

may be substituted for B2's and B3's.

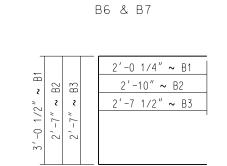
2'-0"

(AT ABUTMENTS)

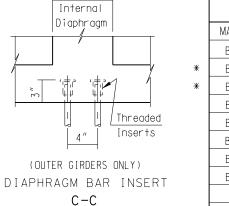
1'-2"

** FIELD BEND AS SHOWN (GRADE 40)

* Welded Wire Fabric with minimum circumferential steel area of 0.15 sq in per ft



B1, B2 & B3



ANSPORT	ATION	This do	cument was	o r igi n ally
(O T A				
**	T1	4	VARIABLE	STR.
	В8	4	VARIABLE	STR.
	В7	4	VARIABLE	STR.
	В6	4	V AR I ABLE	STR.
	B5	5	9'-0"	BENT
	В4	4	9'-0"	BENT
*	В3	4	7′-10″	BENT
*	В2	4	8'-3"	BENT
	B1	4	7′-1″	BENT

SIZE LENGTH



issued and sealed by TERRENCE R. UDLAND Registration Number PE- 2674, on 12/01/04 and the original document is stored at the

North Dakota Department

of Transportation